

# Missouri Occupational Projections 2018-2028

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Occupational projections are produced every two years and are published in July of even numbered years.  
Occupations are classified using the Standard Occupational Classification (SOC) system. Major occupation groups are at the two digit SOC level, while detailed occupations are the six digit level.

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July 2020*

Major Occupation Groups Information

Occupation		2018	2028	2018-2028		2018 Wages				Annual Openings			
SOC Code	Title	Estimated Employment	Projected Employment	Net Change	Percent	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total
00-0000	Total, All Occupations	3,058,772	3,195,144	136,372	4.46%	\$24,170	\$46,460	\$36,040	\$56,480	137,452	219,416	13,637	370,505
11-0000	Management Occupations	160,541	169,788	9,247	5.76%	\$61,280	\$107,410	\$92,710	\$133,790	4,572	9,392	925	14,889
13-0000	Business and Financial Operations Occupations	154,483	162,423	7,940	5.14%	\$46,730	\$69,160	\$62,280	\$83,350	4,300	10,542	794	15,636
15-0000	Computer and Mathematical Occupations	93,075	105,496	12,421	13.35%	\$53,540	\$78,420	\$75,590	\$99,900	1,646	5,638	1,242	8,526
17-0000	Architecture and Engineering Occupations	40,020	42,305	2,285	5.71%	\$55,850	\$79,840	\$74,600	\$98,540	981	2,235	228	3,444
19-0000	Life, Physical, and Social Science Occupations	18,089	19,238	1,149	6.35%	\$42,360	\$63,120	\$54,170	\$76,110	371	1,467	115	1,953
21-0000	Community and Social Service Occupations	60,392	66,816	6,424	10.64%	\$31,560	\$41,270	\$38,010	\$48,340	2,086	4,487	642	7,215
23-0000	Legal Occupations	22,199	24,005	1,806	8.14%	\$50,100	\$89,110	\$69,520	\$116,430	594	943	181	1,718
25-0000	Education, Training, and Library Occupations	149,429	155,600	6,171	4.13%	\$31,020	\$51,840	\$43,460	\$61,260	6,050	7,290	617	13,957
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	50,138	50,637	499	1.00%	\$27,330	\$50,500	\$41,690	\$61,510	1,953	3,582	50	5,585
29-0000	Healthcare Practitioners and Technical Occupations	200,174	226,362	26,188	13.08%	\$42,790	\$72,120	\$58,450	\$79,420	5,590	6,512	2,619	14,721
31-0000	Healthcare Support Occupations	87,992	99,231	11,239	12.77%	\$22,090	\$29,280	\$26,280	\$33,450	4,744	5,937	1,124	11,805
33-0000	Protective Service Occupations	60,627	61,326	699	1.15%	\$27,930	\$43,480	\$37,550	\$56,360	2,659	3,714	70	6,443
35-0000	Food Preparation and Serving Related Occupations	265,462	286,659	21,197	7.98%	\$18,430	\$23,250	\$20,270	\$25,320	19,067	28,235	2,120	49,422
37-0000	Building and Grounds Cleaning and Maintenance Occupations	103,970	109,466	5,496	5.29%	\$21,060	\$28,280	\$25,500	\$31,870	6,056	7,865	550	14,471
39-0000	Personal Care and Service Occupations	150,969	176,902	25,933	17.18%	\$19,500	\$25,070	\$22,330	\$25,740	11,878	12,562	2,593	27,033
41-0000	Sales and Related Occupations	297,155	295,403	-1,752	-0.59%	\$20,460	\$38,360	\$26,350	\$44,040	16,303	25,275	-175	41,403
43-0000	Office and Administrative Support Occupations	462,301	449,381	-12,920	-2.79%	\$26,120	\$36,640	\$33,840	\$43,980	22,082	30,886	-1,292	51,676
45-0000	Farming, Fishing, and Forestry Occupations	20,410	20,708	298	1.46%	\$24,310	\$33,230	\$30,320	\$39,590	813	2,503	30	3,346
47-0000	Construction and Extraction Occupations	127,448	135,525	8,077	6.34%	\$35,810	\$53,590	\$50,650	\$70,390	4,257	10,203	808	15,268
49-0000	Installation, Maintenance, and Repair Occupations	120,019	123,368	3,349	2.79%	\$32,310	\$45,740	\$42,820	\$57,340	3,787	8,135	335	12,257
51-0000	Production Occupations	210,302	201,483	-8,819	-4.19%	\$26,940	\$37,920	\$34,950	\$45,550	8,125	15,738	-882	22,981
53-0000	Transportation and Material Moving Occupations	203,577	213,022	9,445	4.64%	\$24,380	\$36,730	\$32,620	\$45,440	9,538	16,276	944	26,758

Please see Notes tab for further explanation of data.

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July 2020

## Top Job Outlook by Now, Next, and Later Categories

Outlook defined by Career Grades which consider openings, growth rate, and wages

### NOW Top Job Outlook - Statewide

*NOW jobs typically require high school education or less and short-term training*

Grade	Occupation Title	Annual Openings	Average Annual Wage
B+	Combined Food Preparation and Serving Workers, Including Fast Food	15,919	\$21,110
A	Personal Care Aides	12,217	\$23,020
B	Waiters and Waitresses	9,479	\$21,420
B	Laborers and Freight, Stock, and Material Movers, Hand	6,985	\$31,360
B	Customer Service Representatives	6,723	\$35,020
B	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	6,129	\$27,470
B	Stock Clerks and Order Fillers	5,226	\$27,320
B	Childcare Workers	4,382	\$23,490
B	Maids and Housekeeping Cleaners	3,720	\$22,640
B+	Construction Laborers	3,347	\$47,270
B+	Landscaping and Groundskeeping Workers	3,155	\$31,400
B	Food Preparation Workers	2,648	\$22,340
B	Security Guards	2,383	\$37,620
B+	Light Truck or Delivery Services Drivers	2,356	\$35,070
B	Receptionists and Information Clerks	2,224	\$27,550
B	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,740	\$19,980
B	Amusement and Recreation Attendants	1,712	\$21,520
B+	Home Health Aides	1,711	\$25,080
B	Industrial Truck and Tractor Operators	1,455	\$35,750
B	Dining Room and Cafeteria Attendants and Bartender Helpers	1,240	\$21,810

### NEXT Top Job Outlook - Statewide

*NEXT jobs typically require moderate/long-term training or experience or education beyond high school*

Grade	Occupation Title	Annual Openings	Average Annual Wage
B+	Heavy and Tractor-Trailer Truck Drivers	5,871	\$45,070
B	Nursing Assistants	5,176	\$25,930
A	Cooks, Restaurant	4,985	\$25,180
B+	First-Line Supervisors of Food Preparation and Serving Workers	3,169	\$34,010
B	Maintenance and Repair Workers, General	2,990	\$38,200
A	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific	2,913	\$65,640
B	First-Line Supervisors of Retail Sales Workers	2,869	\$43,400
A	Sales Representatives, Services, All Other	2,611	\$54,920
A	Medical Secretaries	2,408	\$34,270
B+	First-Line Supervisors of Office and Administrative Support Workers	2,371	\$57,800
B+	Carpenters	2,143	\$55,220
B	Automotive Service Technicians and Mechanics	1,839	\$43,080
B	Farmers, Ranchers, and Other Agricultural Managers	1,812	\$62,850
B	Hairdressers, Hairstylists, and Cosmetologists	1,664	\$28,620
B+	Electricians	1,551	\$60,860
B+	Medical Assistants	1,487	\$32,260
B	First-Line Supervisors of Production and Operating Workers	1,417	\$58,630
B	Licensed Practical and Licensed Vocational Nurses	1,363	\$42,580
B+	Computer User Support Specialists	1,353	\$47,600
A	Insurance Sales Agents	1,286	\$59,420

### LATER Top Job Outlook - Statewide

*LATER jobs typically require a Bachelor's degree or higher education*

Grade	Occupation Title	Annual Openings	Average Annual Wage
A+	Registered Nurses	<b>5,525</b>	\$65,130
A+	General and Operations Managers	<b>4,613</b>	\$105,280
A	Accountants and Auditors	<b>2,866</b>	\$70,240
B	Secondary School Teachers, Except Special and Career/Technical Education	<b>1,943</b>	\$54,280
B	Elementary School Teachers, Except Special Education	<b>1,871</b>	\$49,860
A+	Software Developers, Applications	<b>1,710</b>	\$93,880
A	Business Operations Specialists, All Other	<b>1,585</b>	\$73,500
B+	Human Resources Specialists	<b>1,367</b>	\$62,790
A	Market Research Analysts and Marketing Specialists	<b>1,334</b>	\$65,360
B+	Educational, Guidance, School, and Vocational Counselors	<b>1,275</b>	\$50,900
A+	Computer Systems Analysts	<b>1,200</b>	\$83,720
A	Management Analysts	<b>995</b>	\$81,300
B+	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	<b>994</b>	\$38,150
B	Child, Family, and School Social Workers	<b>966</b>	\$37,680
B	Middle School Teachers, Except Special and Career/Technical Education	<b>939</b>	\$55,070
A+	Financial Managers	<b>816</b>	\$136,520
A	Managers, All Other	<b>813</b>	\$97,820
B	Securities, Commodities, and Financial Services Sales Agents	<b>785</b>	\$80,280
A+	Medical and Health Services Managers	<b>762</b>	\$113,120
A	Lawyers	<b>758</b>	\$113,780

Source: 2018-2028 Long-Term Occupational Projections, Missouri Economic Research and Information Center  
Please see Notes tab for additional details

## Top Job Openings by Now, Next, and Later Categories

Openings based on job growth as well as replacement needs due to exits or transfers

### NOW Top Job Openings - Statewide

*NOW jobs typically require high school education or less and short-term training*

Grade	Occupation Title	Annual Openings	Average Annual Wage
B+	Combined Food Preparation and Serving Workers, Including Fast Food	15,919	\$21,110
C+	Cashiers	13,768	\$22,050
A	Personal Care Aides	12,217	\$23,020
C+	Retail Salespersons	11,574	\$28,030
B	Waiters and Waitresses	9,479	\$21,420
B	Laborers and Freight, Stock, and Material Movers, Hand	6,985	\$31,360
B	Customer Service Representatives	6,723	\$35,020
B	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	6,129	\$27,470
B	Stock Clerks and Order Fillers	5,226	\$27,320
C+	Office Clerks, General	4,951	\$32,600
B	Childcare Workers	4,382	\$23,490
B	Maids and Housekeeping Cleaners	3,720	\$22,640
B+	Construction Laborers	3,347	\$47,270
B+	Landscaping and Groundskeeping Workers	3,155	\$31,400
B	Food Preparation Workers	2,648	\$22,340
B	Security Guards	2,383	\$37,620
B+	Light Truck or Delivery Services Drivers	2,356	\$35,070
B	Receptionists and Information Clerks	2,224	\$27,550
C+	Bartenders	2,089	\$26,480
C+	Cooks, Institution and Cafeteria	2,059	\$24,900

### NEXT Top Job Openings - Statewide

*NEXT jobs typically require moderate/long-term training or experience or education beyond high school*

Grade	Occupation Title	Annual Openings	Average Annual Wage
C+	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	7,069	\$35,010
B+	Heavy and Tractor-Trailer Truck Drivers	5,871	\$45,070
B	Nursing Assistants	5,176	\$25,930
A	Cooks, Restaurant	4,985	\$25,180
C+	Bookkeeping, Accounting, and Auditing Clerks	3,565	\$38,340
B+	First-Line Supervisors of Food Preparation and Serving Workers	3,169	\$34,010
B	Maintenance and Repair Workers, General	2,990	\$38,200
A	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific	2,913	\$65,640
B	First-Line Supervisors of Retail Sales Workers	2,869	\$43,400
A	Sales Representatives, Services, All Other	2,611	\$54,920
A	Medical Secretaries	2,408	\$34,270
C	Assemblers and Fabricators, All Other, Including Team Assemblers	2,394	\$37,350
B+	First-Line Supervisors of Office and Administrative Support Workers	2,371	\$57,800
B+	Carpenters	2,143	\$55,220
C+	Teacher Assistants	2,106	\$27,220
B	Automotive Service Technicians and Mechanics	1,839	\$43,080
B	Farmers, Ranchers, and Other Agricultural Managers	1,812	\$62,850
B	Hairdressers, Hairstylists, and Cosmetologists	1,664	\$28,620
B+	Electricians	1,551	\$60,860
B+	Medical Assistants	1,487	\$32,260

### LATER Top Job Openings - Statewide

*LATER jobs typically require a Bachelor's degree or higher education*

Grade	Occupation Title	Annual Openings	Average Annual Wage
A+	Registered Nurses	<b>5,525</b>	\$65,130
A+	General and Operations Managers	<b>4,613</b>	\$105,280
A	Accountants and Auditors	<b>2,866</b>	\$70,240
B	Secondary School Teachers, Except Special and Career/Technical Education	<b>1,943</b>	\$54,280
B	Elementary School Teachers, Except Special Education	<b>1,871</b>	\$49,860
A+	Software Developers, Applications	<b>1,710</b>	\$93,880
A	Business Operations Specialists, All Other	<b>1,585</b>	\$73,500
B+	Human Resources Specialists	<b>1,367</b>	\$62,790
A	Market Research Analysts and Marketing Specialists	<b>1,334</b>	\$65,360
B+	Educational, Guidance, School, and Vocational Counselors	<b>1,275</b>	\$50,900
C+	Substitute Teachers	<b>1,218</b>	\$27,580
A+	Computer Systems Analysts	<b>1,200</b>	\$83,720
A	Management Analysts	<b>995</b>	\$81,300
B+	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	<b>994</b>	\$38,150
B	Child, Family, and School Social Workers	<b>966</b>	\$37,680
B	Middle School Teachers, Except Special and Career/Technical Education	<b>939</b>	\$55,070
A+	Financial Managers	<b>816</b>	\$136,520
A	Managers, All Other	<b>813</b>	\$97,820
B	Securities, Commodities, and Financial Services Sales Agents	<b>785</b>	\$80,280
A+	Medical and Health Services Managers	<b>762</b>	\$113,120

Source: 2018-2028 Long-Term Occupational Projections, Missouri Economic Research and Information Center  
Please see Notes tab for additional details

## Fastest Growing Occupations by Now, Next, and Later Categories

Fastest growth defined by percent growth from base year to projected year

### NOW Fastest Growing Occupations - Statewide

*NOW jobs typically require high school education or less and short-term training*

Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage
A	Personal Care Aides	33.04%	12,217	\$23,020
B+	Home Health Aides	20.57%	1,711	\$25,080
B	Taxi Drivers and Chauffeurs	17.83%	931	\$24,460
C+	Physical Therapist Aides	16.28%	65	\$28,940
B	Pipelayers	15.02%	34	\$50,000
B+	Combined Food Preparation and Serving Workers, Including Fast Food	14.60%	15,919	\$21,110
B	Cargo and Freight Agents	13.34%	271	\$47,000
B	Nonfarm Animal Caretakers	11.86%	1,206	\$24,450
C+	Refuse and Recyclable Material Collectors	11.80%	334	\$33,020
B	Helpers--Production Workers	11.78%	1,037	\$30,110
C+	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	11.64%	43	\$39,750
C	Material Moving Workers, All Other	10.75%	31	\$28,380
B	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	10.51%	78	\$50,570
B+	Light Truck or Delivery Services Drivers	9.87%	2,356	\$35,070
B	Tree Trimmers and Pruners	9.73%	221	\$43,040
C	Personal Care and Service Workers, All Other	8.90%	165	\$26,430
C	Couriers and Messengers	8.72%	97	\$29,120
C+	Office and Administrative Support Workers, All Other	8.59%	323	\$39,040
C	Locker Room, Coatroom, and Dressing Room Attendants	8.51%	365	\$22,220
C	Helpers--Installation, Maintenance, and Repair Workers	8.37%	73	\$31,740

### NEXT Fastest Growing Occupations - Statewide

*NEXT jobs typically require moderate/long-term training or experience or education beyond high school*

Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage
B	Rotary Drill Operators, Oil and Gas	29.31%	12	n/a
B+	Respiratory Therapists	28.44%	297	\$56,320
B+	Occupational Therapy Assistants	27.16%	116	\$57,310
B+	Physical Therapist Assistants	24.18%	376	\$53,150
A	Diagnostic Medical Sonographers	23.31%	105	\$73,920
B	Phlebotomists	23.08%	386	\$31,320
B	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	20.94%	83	\$55,050
B	Massage Therapists	20.09%	314	\$37,100
B+	Medical Assistants	19.77%	1,487	\$32,260
A	Cooks, Restaurant	18.20%	4,985	\$25,180
B	Health Technologists and Technicians, All Other	17.38%	208	\$46,580
A	Medical Secretaries	17.18%	2,408	\$34,270
C+	Ophthalmic Medical Technicians	16.92%	103	\$35,400
B	Self-Enrichment Education Teachers	16.31%	675	\$38,140
B	Community Health Workers	16.29%	195	\$38,310
B+	Web Developers	16.09%	395	\$65,090
B	Tile and Marble Setters	15.99%	111	\$52,970
B	Security and Fire Alarm Systems Installers	15.33%	147	\$53,210
B	Surgical Technologists	15.10%	204	\$43,070
B+	Paralegals and Legal Assistants	14.62%	621	\$53,110

### LATER Fastest Growing Occupations - Statewide

*LATER jobs typically require a Bachelor's degree or higher education*

Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage
A	Information Security Analysts	37.52%	352	\$91,210
A	Physician Assistants	30.07%	108	\$94,480
A+	Nurse Practitioners	29.50%	416	\$102,470

A	Genetic Counselors	<b>29.17%</b>	4	\$72,780
A+	Software Developers, Applications	<b>26.91%</b>	1,710	\$93,880
A	Computer and Information Research Scientists	<b>26.59%</b>	29	\$96,810
B+	Statisticians	<b>26.31%</b>	104	\$71,150
A	Speech-Language Pathologists	<b>23.92%</b>	293	\$77,790
A+	Health Specialties Teachers, Postsecondary	<b>23.74%</b>	548	\$148,840
A	Nursing Instructors and Teachers, Postsecondary	<b>22.66%</b>	138	\$77,540
A	Operations Research Analysts	<b>22.52%</b>	153	\$77,210
B+	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	<b>21.77%</b>	994	\$38,150
B	Counselors, All Other	<b>20.77%</b>	27	\$33,540
B	Marriage and Family Therapists	<b>20.64%</b>	45	\$50,840
A	Computer Hardware Engineers	<b>20.22%</b>	19	\$100,160
B	Athletic Trainers	<b>19.87%</b>	52	\$45,050
A	Physical Therapists	<b>18.82%</b>	315	\$81,330
A	Psychiatrists	<b>18.75%</b>	14	\$240,300
A	Orthotists and Prosthetists	<b>18.12%</b>	12	\$76,540
A	Actuaries	<b>17.80%</b>	39	\$100,180

Source: 2018-2028 Long-Term Occupational Projections, Missouri Economic Research and Information Center  
Please see Notes tab for additional details



## Long-Term Occupational Projections for Missouri

## All Occupation Information

Grade		N, N_L		SOC Code Title		2018		2019		2019-2029		2019 Wages		Annual Openings		Education, Experience, and Training			ACT Workkeys Assessment Levels				Graphic Literacy		STEM Core or Related		
						Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total	Typical Education Required	Typical Experience Required	Typical Job Training	Minimum	Median	Minimum	Median	Minimum	Median	Minimum
		00-0000		Total, All Occupations		1,056,772	1,195,144	136,372	12.46%	\$24,170	\$46,460	\$36,040	\$66,480	137,452	219,416	13,637	370,505										
11-0000 Management Occupations																											
B	LATER	11-1011	Chief Executives	6,007	6,189	182	3.03%	\$86,810	\$107,410	\$92,710	\$133,780	4,572	9,392	928	14,889	Bachelor's degree	5 years or more	None	4	5	5	6	4	5			
B	LATER	11-1021	General and Operations Managers	46,197	51,178	4,981	10.78%	\$54,650	\$105,290	\$91,590	\$133,050	1,042	3,273	298	4,513	Bachelor's degree	5 years or more	None	3	5	5	5	4	5			
C	LATER	11-1031	Legislators	1,214	1,258	44	3.62%	\$17,750	\$25,630	\$18,930	\$27,320	31	62	4	97	Bachelor's degree	Less than 5 years	None	3	5	4	5	4	6			
B	LATER	11-2011	Advertising and Promotions Managers	245	250	5	2.05%	\$84,000	\$128,040	\$114,560	\$154,000	5	18	0	24	Bachelor's degree	Less than 5 years	None	3	4	4	5	4	5			
B	LATER	11-2021	Marketing Managers	2,690	2,895	205	7.62%	\$89,840	\$128,810	\$121,990	\$162,380	57	191	20	268	Bachelor's degree	5 years or more	None	7	7	5	5	5	5			
A	LATER	11-2022	Sales Managers	5,554	5,788	234	4.21%	\$78,680	\$133,570	\$123,780	\$167,510	116	389	20	525	Bachelor's degree	Less than 5 years	None	4	4	4	5	4	5			
B	LATER	11-2031	Public Relations and Fundraising Managers	944	1,025	82	8.69%	\$71,070	\$108,200	\$97,940	\$128,810	22	62	8	92	Bachelor's degree	5 years or more	None	4	4	5	5	4	5			
B	LATER	11-3011	Administrative Services Managers	4,693	5,248	553	11.77%	\$67,400	\$93,290	\$86,940	\$109,590	141	286	25	452	Bachelor's degree	Less than 5 years	None	3	5	4	5	4	4			
B	LATER	11-3021	Information Systems Managers	5,671	6,348	677	11.94%	\$102,130	\$158,120	\$154,910	\$194,910	103	367	10	537	Bachelor's degree	5 years or more	None	5	5	5	5	5	5			
A	LATER	11-3031	Financial Managers	8,252	9,568	1,276	15.39%	\$92,870	\$136,520	\$121,860	\$161,540	193	405	128	816	Bachelor's degree	5 years or more	None	4	5	5	5	4	5			
B	LATER	11-3051	Industrial Production Managers	3,492	3,533	41	1.17%	\$73,410	\$104,010	\$97,310	\$124,870	76	181	4	261	Bachelor's degree	5 years or more	None	3	4	3	4	4	4			
B	LATER	11-3061	Purchasing Managers	680	725	45	6.60%	\$92,080	\$133,900	\$123,840	\$162,020	17	42	5	63	n/a	Bachelor's degree	5 years or more	None	3	4	3	4	3	4		
A	NEXT	11-3071	Transportation, Storage, and Distribution Managers	1,245	2,395	1,150	93.11%	\$71,110	\$98,730	\$92,470	\$120,330	50	132	15	197	High school diploma or equivalent	5 years or more	None	3	4	3	4	3	4			
B	LATER	11-3111	Compensation and Benefits Managers	161	165	4	2.48%	\$92,610	\$126,480	\$119,560	\$151,300	4	10	0	14	Bachelor's degree	5 years or more	None	4	5	5	5	4	4			
B	LATER	11-3121	Human Resources Managers	1,818	1,924	104	5.72%	\$84,820	\$116,470	\$108,070	\$132,000	43	117	13	173	Bachelor's degree	5 years or more	None	3	4	3	4	3	4			
A	LATER	11-3131	Training and Development Managers	417	462	45	10.79%	\$83,720	\$110,280	\$104,860	\$130,210	11	28	4	43	Bachelor's degree	5 years or more	None	4	4	5	5	4	4			
B	NEXT	11-3013	Farmers, Ranchers, and Other Agricultural Managers	18,818	18,368	-450	-2.34%	\$46,950	\$62,860	\$56,870	\$73,890	1,150	167	-25	1,812	High school diploma or equivalent	5 years or more	None	3	4	4	4	4	4			
A	LATER	11-9021	Construction Managers	4,680	5,188	508	10.85%	\$69,430	\$96,680	\$89,730	\$118,410	106	256	31	393	Bachelor's degree	None	Moderate-term on-the-job training	4	5	3	6	3	5			
C	LATER	11-9031	Education Administrators, Preschool and Childcare Center/Program	804	863	59	7.34%	\$37,650	\$51,940	\$47,020	\$61,460	22	43	6	71	n/a	Less than 5 years	None	4	4	5	5	4	4			
B	LATER	11-9032	Education Administrators, Elementary and Secondary School	5,620	5,767	147	2.62%	\$71,070	\$90,740	\$80,180	\$108,990	147	295	15	457	n/a	5 years or more	None	5	5	5	5	5	5			
B	LATER	11-9033	Education Administrators, Postsecondary	2,220	2,336	116	5.23%	\$70,290	\$115,110	\$95,730	\$137,860	59	118	12	189	Master's degree	Less than 5 years	None	3	5	4	5	4	5			
B	LATER	11-9039	Education Administrators, All Other	478	509	31	6.49%	\$58,460	\$79,220	\$78,340	\$98,830	13	26	3	42	Bachelor's degree	Less than 5 years	None	3	4	4	4	4	4			
B	LATER	11-9041	Architectural and Engineering Managers	2,197	2,893	696	31.69%	\$107,010	\$138,520	\$133,380	\$193,160	49	105	43	217	n/a	5 years or more	None	3	7	3	6	7	5			
B	NEXT	11-3051	Food Service Managers	4,498	4,686	188	4.18%	\$34,570	\$53,390	\$48,560	\$61,460	143	395	39	577	High school diploma or equivalent	Less than 5 years	None	3	3	4	4	3	4			
B	NEXT	11-9061	Funeral Service Managers	106	106	0	0.00%	n/a	\$75,540	\$68,700	n/a	0	0	0	0	n/a	Less than 5 years	None	3	4	4	4	4	4			
B	NEXT	11-9071	Gaming Managers	71	73	2	2.82%	\$63,950	\$74,740	\$72,430	\$81,020	2	6	0	8	High school diploma or equivalent	Less than 5 years	None	3	4	3	4	3	4			
B	NEXT	11-9081	Lodging Managers	980	991	11	1.12%	\$31,620	\$51,860	\$45,420	\$66,200	31	70	1	102	High school diploma or equivalent	Less than 5 years	None	3	5	3	5	4	5			
A	LATER	11-1111	Medical and Health Services Managers	7,419	8,665	1,246	16.78%	\$77,980	\$113,120	\$98,370	\$127,540	199	440	125	762	n/a	Less than 5 years	None	4	6	4	6	4	6			
B	LATER	11-2121	Natural Sciences Managers	683	709	26	3.81%	\$62,510	\$118,190	\$104,550	\$148,510	15	47	3	65	Bachelor's degree	5 years or more	None	5	6	4	5	4	4			
C	NEXT	11-9131	Postmasters and Mail Superintendents	297	217	-80	-26.94%	\$96,520	\$75,250	\$73,960	\$83,010	6	1	13	6	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	4	3	4	3	4		
B	NEXT	11-9141	Property, Real Estate, and Community Association Managers	5,450	5,954	504	9.25%	\$73,780	\$93,790	\$84,140	\$93,260	100	225	40	475	n/a	High school diploma or equivalent	Less than 5 years	None	3	4	3	4	3	4		
B	LATER	11-9151	Social and Community Service Managers	2,960	3,289	329	11.11%	\$46,490	\$60,450	\$56,540	\$70,530	93	178	33	304	Bachelor's degree	Less than 5 years	None	3	4	4	4	4	4			
C	LATER	11-9161	Emergency Management Directors	166	173	7	4.22%	\$68,980	\$94,070	\$84,070	\$104,070	7	18	0	24	n/a	5 years or more	None	3	4	4	4	3	4			
A	LATER	11-9199	Managers, All Other	9,672	10,251	579	5.99%	\$61,020	\$97,820	\$83,580	\$125,560	252	503	58	813	Bachelor's degree	Less than 5 years	None	3	4	4	5	3	4			
13-0000 Business and Financial Operations Occupations																											
D	LATER	13-1011	Agents and Business Managers of Artists, Performers, and Athletes	119	108	-11	-9.24%	\$28,170	\$44,480	\$35,780	\$67,650	4	10	-1	12	Bachelor's degree	Less than 5 years	None	4	5	3	5	3	4			
B	LATER	13-1021	Buyers and Purchasing Agents	7,162	7,685	523	7.30%	\$44,520	\$69,200	\$64,810	\$79,910	79	179	26	293	n/a	None	Moderate-term on-the-job training	3	4	3	4	3	4			
B	NEXT	13-1031	Claims Adjusters, Examiners, and Investigators	8,667	8,998	-169	-1.97%	\$52,060	\$69,340	\$65,310	\$79,120	204	513	-17	700	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	4	3	4		
B	NEXT	13-1032	Insurance Appraisers, Auto Damage	236	247	11	4.66%	\$61,580	\$91,720	\$84,890	\$116,600	6	15	1	22	Postsecondary non-degree award	None	Moderate-term on-the-job training	3	4	3	5	4	5			
B	LATER	13-1041	Compliance Officers	5,372	5,980	608	11.32%	\$62,190	\$92,860	\$82,290	\$103,6																



C*	NEXT	25-2011	Preschool Teachers, Except Special Education	6,288	6,737	449	7,147	\$22,000	\$30,440	\$27,390	\$35,520	258	396	45	699	Associate's degree	None	None	4	4	3	4	4	5	
C*	LATER	25-2012	Kindergarten Teachers, Except Special Education	1,640	1,682	42	2,560	\$39,560	\$51,630	\$47,180	\$63,290	66	100	4	171	Bachelor's degree	None	None	4	4	5	6	4	5	
B	LATER	25-2021	Elementary School Teachers, Except Special Education	24,541	24,892	351	1,847	\$37,960	\$49,860	\$45,970	\$59,150	1,056	45	1,871	Bachelor's degree	None	None	4	4	5	6	4	5		
B	LATER	25-2022	Middle School Teachers, Except Special and Career/Technical Education	12,279	12,519	240	1,950	\$41,490	\$55,070	\$49,310	\$65,000	386	529	24	939	Bachelor's degree	None	None	4	4	5	6	4	5	
B	LATER	25-2023	Career/Technical Education Teachers, Middle School	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	None	None	None	4	4	5	6	4	5		
B	LATER	25-2021	Secondary School Teachers, Except Special and Career/Technical Ed	26,727	27,248	521	1,950	\$38,550	\$54,280	\$48,170	\$63,870	750	1,141	52	1,943	Bachelor's degree	None	None	4	4	5	6	4	5	
C	LATER	25-2023	Career/Technical Education Teachers, Secondary School	586	513	7	1,389	\$37,260	\$49,590	\$46,960	\$61,250	14	22	1	37	Bachelor's degree	Less than 5 years	None	3	3	5	6	4	5	
C	LATER	25-2021	Special Education Teachers, Preschool	487	345	8	2,375	\$21,940	\$27,510	\$33,750	\$48,810	11	14	1	26	Bachelor's degree	None	None	4	4	5	6	4	5	
C	LATER	25-2022	Special Education Teachers, Kindergarten and Elementary School	1,611	1,645	34	2,110	\$40,930	\$54,190	\$49,130	\$65,400	54	68	3	125	Bachelor's degree	None	None	4	4	5	6	4	5	
C	LATER	25-2023	Special Education Teachers, Middle School	1,428	1,443	15	1,925	\$37,940	\$51,340	\$47,000	\$62,300	15	60	1	10	Bachelor's degree	None	None	4	4	5	6	4	5	
C*	LATER	25-2054	Special Education Teachers, Secondary School	2,791	2,831	40	1,430	\$38,360	\$48,840	\$45,420	\$55,350	93	118	4	215	Bachelor's degree	None	None	4	4	5	6	4	5	
C*	LATER	25-2059	Special Education Teachers, All Other	n/a	n/a	n/a	n/a	\$38,940	\$56,780	\$56,470	\$67,890	n/a	n/a	n/a	n/a	Bachelor's degree	None	None	4	4	5	6	4	5	
D	LATER	25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instr	188	166	22	-11,770	\$37,300	\$51,850	\$51,560	\$60,180	4	10	0	3	Bachelor's degree	None	None	3	3	5	6	4	5	
B	NEXT	25-3021	Self-Enrichment Education Teachers	4,830	5,618	788	16,319	\$20,280	\$38,140	\$35,590	\$49,270	302	294	79	675	High school diploma or equivalent	Less than 5 years	None	4	4	4	4	5		
B	LATER	25-3029	Teachers and Instructors, All Other, Except Substitute Teachers	4,609	5,117	458	9,833	\$23,560	\$41,410	\$36,480	\$57,510	282	275	46	603	Bachelor's degree	None	None	4	4	4	4	5		
B	LATER	25-3086	Substitute Teachers	10,478	10,627	148	1,415	\$21,030	\$27,580	\$25,310	\$29,300	699	94	15	1,218	Bachelor's degree	None	None	4	4	4	4	5		
C*	LATER	25-4011	Archivists	415	435	20	4,820	\$38,270	\$51,410	\$49,640	\$61,630	19	27	2	48	Master's degree	None	None	4	4	4	5	4	5	
B	LATER	25-4012	Curators	219	240	21	3,939	\$39,090	\$62,240	\$59,150	\$82,400	10	15	2	27	Master's degree	None	None	4	4	4	5	4	5	
C	LATER	25-4013	Museum Technicians and Conservators	976	1,011	35	3,590	\$32,220	\$41,350	\$38,550	\$45,840	45	63	4	112	Bachelor's degree	None	None	4	4	4	5	4	5	
C*	LATER	25-4021	Librarians	2,263	2,348	85	4,220	\$39,020	\$53,450	\$49,760	\$65,960	124	105	10	239	Master's degree	None	None	4	4	4	5	4	5	
C*	LATER	25-4031	Library Technicians	1,432	1,348	84	-8,875	\$28,270	\$39,520	\$29,330	\$32,510	14	10	4	206	Postsecondary non-degree award	None	None	3	3	4	5	4	5	
C*	LATER	25-8011	Audio-Visual and Multimedia Collections Specialists	n/a	n/a	n/a	n/a	\$38,100	\$55,930	\$55,260	\$63,450	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	None	4	4	5	5	4	5	
C*	LATER	25-8021	Farm and Home Management Advisors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	None	3	3	5	4	5	4	5	
B	LATER	25-9031	Instructional Coordinators	2,684	2,788	104	4,850	\$42,400	\$58,400	\$57,840	\$75,090	114	140	12	269	Master's degree	5 years or more	None	3	4	3	3	4	4	
C*	LATER	25-9041	Teacher Assistants	19,336	19,783	447	2,310	\$19,680	\$27,220	\$25,240	\$31,280	1,038	1,023	45	2,106	Some college, no degree	None	None	3	4	3	4	3	3	
C	LATER	25-9099	Education, Training, and Library Workers, All Other	462	512	20	1,070	\$25,370	\$41,900	\$39,690	\$50,910	21	26	2	49	Bachelor's degree	None	None	3	4	4	4	4	4	
<b>27-0000 Arts, Design, Entertainment, Sports, and Media Occupations</b>																									
B	LATER	27-1011	Art Directors	2,101	2,054	47	-2,240	\$66,760	\$91,090	\$82,390	\$111,960	108	120	5	221	Bachelor's degree	5 years or more	None	3	4	4	5	5	5	
D	NEXT	27-1012	Craft Artists	n/a	n/a	n/a	n/a	\$24,180	\$27,580	\$27,840	\$30,830	n/a	n/a	n/a	n/a	No formal educational credential	None	Long-term on-the-job training	4	4	3	5	5	5	
D	NEXT	27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	261	278	-5	-1,760	\$18,280	\$30,430	\$36,130	\$50,480	14	16	0	30	Bachelor's degree	None	Long-term on-the-job training	4	4	3	5	5	5	
C	LATER	27-1014	Media Artists and Animators	1,099	1,092	-7	-2,270	\$10,800	\$19,800	\$27,760	\$70,430	159	13	0	119	Bachelor's degree	None	None	3	3	4	4	4	4	
C*	LATER	27-1019	Artists and Related Workers, All Other	114	113	-1	-2,680	\$23,730	\$45,450	\$45,930	\$60,720	6	6	0	12	No formal educational credential	None	Long-term on-the-job training	3	4	3	4	4	4	
B	LATER	27-1021	Costume Designers and Costume Designers	689	686	-3	-1,050	\$44,270	\$67,480	\$67,360	\$82,510	27	15	0	6	Bachelor's degree	None	None	3	4	3	4	4	4	
C*	LATER	27-1022	Fashion Designers	145	139	-6	-4,140	n/a	n/a	n/a	n/a	5	10	-1	14	Bachelor's degree	None	None	3	3	4	3	4	4	
C*	LATER	27-1023	Floral Designers	2,940	2,677	-263	-8,900	\$20,260	\$30,660	\$25,710	\$30,550	91	189	-26	254	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4	
C*	LATER	27-1024	Graphic Designers	4,871	4,932	61	9,800	\$34,650	\$50,350	\$47,760	\$60,940	158	4	4	480	Bachelor's degree	None	None	4	4	4	4	5	5	
C*	LATER	27-1029	Interior Designers	1,742	1,671	-71	1,099	\$40,060	\$60,570	\$52,160	\$70,440	57	118	2	177	Bachelor's degree	None	None	6	6	4	5	5	6	
C*	LATER	27-1028	Merchandise Displayers and Window Trimmers	2,633	2,610	-23	-1,000	\$22,070	\$37,510	\$32,600	\$40,390	10	15	2	27	High school diploma or equivalent	None	Short-term on-the-job training	3	3	4	4	4	4	
C	LATER	27-1027	Set and Exhibit Designers	223	221	-2	-9,900	\$25,650	\$44,760	\$41,000	\$45,280	7	15	0	22	Bachelor's degree	None	None	6	6	4	4	4	4	
C	NEXT	27-1029	Designers, All Other	n/a	n/a	n/a	n/a	\$23,980	\$40,050	\$42,140	\$47,060	n/a	n/a	n/a	n/a	Bachelor's degree	None	Long-term on-the-job training	3	3	5	3	4	3	4
D	NEXT	27-2011	Actors	1,337	1,383	46	3,440	n/a	n/a	n/a	n/a	5	51	0	5	Postsecondary non-degree award	None	Long-term on-the-job training	3	3	4	4	4	4	
C*	LATER	27-2012	Producers and Directors	1,981	1,975	-6	-6,300	\$37,340	\$65,560	\$55,380	\$79,280	43	151	-1	193	Bachelor's degree	Less than 5 years	None	3	4	3	5	3	4	
C*	LATER	27-2021	Athletes and Sports Competitors	687	779	92	13,390	\$18,390	\$27,580	\$44,430	\$75,260	41	66	9	116	No formal educational credential	None	Long-term on-the-job training	4	4	3	4	4	4	
B	LATER	27-2022	Coaches and Scouts	3,847	4,412	565	14,860	\$18,940	\$27,120	\$29,420	\$47,940	233	69	7	629	Bachelor's degree	None	None	4	4	3	4	4	4	
C	NEXT	27-2023	Umpires, Referees, and Other Sports Officials	1,369	1,451	82	5,990	\$19,030	\$33,500	\$27,880	\$45,410	80	126	8	214	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	4	4	4	4	
C	NEXT	27-2031	Dancers	258	238	-20	-7,030	n/a	n/a	n/a	n/a	5	15	-2	41	No formal educational credential	None	Long-term on-the-job training	3	3	4	3	4	3	4
B	NEXT	27-2032	Choreographers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	5 years or more	None	3	3	4	3	4	3	4	
C*	LATER	27-2041	Music Directors and Composers	n/a	n/a	n/a	n/a	\$35,400	\$60,590	\$49,280	\$73,030	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	None	3	3	3	4	3	4	
B	NEXT	27-2042	Musicians and Singers	1,272	1,178	-94	-1,770	n/a	n/a	n/a	n/a	170	10	0	36	No formal educational credential	None	Long-term on-the-job training	3	3	3	4	3	4	
B	NOW	27-2049	Entertainers and Performers, Sports and Related Workers, All Other	838	846	8	0.95%	n/a	n/a	n/a	n/a	36	60	1	97	No formal educational credential	None	Long-term on-the-job training	3	3	3	4	3	4	
D	LATER	27-3011	Radio and Television Announcers	1,210	1,088	-122	-10,080	\$16,650	\$35,540	\$32,420	\$35,290	47	85	-12	120	High school diploma or equivalent	None	None	3	3	4	4	3	4	
B	NOW	27-3012	Public Address System and Other Announcers	138	138	0	0.00%	n/a	n/a	n/a	n/a	6	0	0	0	Short-term on-the-job training	None	None	3	3	4	3	4	3	4
C	NEXT	27-3021	Broadcast News Analysts	223	221	-2	-9,900	\$42,820	\$63,280	\$62,280	\$103,250	8	20	0	28	Bachelor's degree	None	None	3	3	4	6	3	4	
B	LATER	27-3022	Reporters and Correspondents	764	861	97	13,460	\$25,650	\$42,400	\$39,690	\$59,070	24	3	0	27	Bachelor's degree	None	None	3	3	4	6	3	4	
B	LATER	27-3031	Public Relations Specialists	5,677	6,013	336	5,920	\$41,330	\$59,940	\$54,580	\$71,680	173	434	34	641	Bachelor's degree	None	None	3	4	3	5	3	4	
D	LATER	27-3041	Editors	1,441	1,260	-181	-12,560	\$32,460	\$55,460	\$47,460	\$67,380	41	106	-18	129	Bachelor's degree	Less than 5 years	None	3	3	3	5	3	4	
B	LATER	27-3042	Technical Writers	1,081	1,189	108	12,080	\$42,940	\$68,840	\$62,760	\$86,170	34	13	122	2	Bachelor's degree	None	Short-term on-the-job training	3	4	3	4	3	4	
C*	LATER	27-3043	Writers and Authors	1,814	1,791	-23	-1,270	\$41,760	\$67,420	\$55,250	\$69,920	77	111	-2	186	Bachelor's degree	None	Long-term on-the-job training	3	3	3	5	3	4	
C*	LATER	27-3091	Interpreters and Translators	1,063	1,070	7	2,450	\$39,360	\$62,670	\$58,760	\$75,190	78	9	21	198	Bachelor's degree	None	None	3	3	5	3	4	4	
B	NOW	27-3098	Media and Communication Workers, All Other	188	201	13	6,810	\$36,830	\$63,140	\$67,100	\$91,190	11	1	1	1	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4	
B	NEXT	27-4011	Audio and Video Equipment Technicians	1,885	2,053	168	10,080	\$32,300	\$44,510	\$40,760	\$56,090	65	144	19	228	Postsecondary non-degree award	None	Short-term on-the-job training	3	3	5	3	4	3	
C	NEXT	27-4012	Broadcast Technicians	522	530																				



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F	NEXT	51-1199	Metal Workers and Plastic Workers, All Other	824	766	-8	-7.04%	\$21,830	\$28,330	\$24,930	\$33,250	28	56	-6	78	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
F	NEXT	51-1111	Presses Technicians and Workers	1,628	812	-214	-22.86%	\$26,500	\$39,380	\$37,760	\$49,190	78	78	-21	91	Postsecondary non-degree award	None	None	3	3	3	3	4	
D	NEXT	51-1112	Printing Press Operators	4,988	4,333	-655	-13.13%	\$28,660	\$42,520	\$41,410	\$53,210	177	308	-68	437	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	
D	NEXT	51-1113	Print Binding and Finishing Workers	1,748	1,485	-261	-14.95%	\$26,270	\$35,500	\$34,210	\$45,000	108	118	-26	200	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	
D	NOW	51-6011	Laundry and Dry-Cleaning Workers	5,339	5,094	-245	-4.59%	\$18,610	\$21,520	\$20,880	\$24,950	321	372	-24	672	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	
F	NOW	51-6021	Pressers, Textile, Garment, and Related Materials	562	406	-156	-27.76%	\$19,500	\$22,780	\$22,290	\$25,430	26	30	-16	40	No formal educational credential	None	Short-term on-the-job training	4	4	4	4	4	
F	NOW	51-6031	Sewing Machine Operators	3,615	3,199	-416	-11.51%	\$20,380	\$24,360	\$23,030	\$27,170	199	183	-42	340	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	
D	NEXT	51-6041	Shoe and Leather Workers and Repairers	n/a	n/a	n/a	n/a	\$19,310	\$28,260	\$32,960	\$32,490	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
F	NOW	51-6042	Shoe Machine Operators and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	
F	NEXT	51-6051	Sewers, Hand	n/a	n/a	n/a	n/a	\$31,940	\$35,700	\$32,820	\$40,490	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	3	
F	NEXT	51-6052	Tailors, Dressmakers, and Custom Sewers	n/a	n/a	n/a	n/a	\$31,340	\$33,420	\$34,370	\$37,140	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	4	
F	NOW	51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	
F	NEXT	51-6062	Textile Cutting Machine Setters, Operators, and Tenders	328	290	-38	-11.59%	\$21,250	\$25,250	\$23,930	\$28,790	13	15	-4	24	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	4	
F	NOW	51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	4	
F	NEXT	51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	4	
C	NEXT	51-6091	Etching and Forming Machine Setters, Operators, and Tenders	119	117	-2	-1.68%	\$33,260	\$41,290	\$42,200	\$48,030	11	9	0	16	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	
F	NEXT	51-6092	Fabric and Apparel Patternmakers	117	98	-19	-16.24%	\$22,370	\$33,600	\$27,230	\$37,200	6	8	-2	12	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	5	
F	NEXT	51-6093	Upholsters	1,099	1,113	14	1.27%	\$25,300	\$32,560	\$32,470	\$38,410	46	69	1	116	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
F	NOW	51-6099	Textile, Apparel, and Furnishings Workers, All Other	62	80	-12	-13.04%	\$31,380	\$35,290	\$35,100	\$38,170	5	7	-1	11	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	
C	NEXT	51-7011	Cabinetmakers and Bench Carpenters	2,739	2,756	17	0.62%	\$26,390	\$34,960	\$33,350	\$41,350	115	170	2	267	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	3	
D	NOW	51-7021	Furniture Finishers	n/a	n/a	n/a	n/a	\$28,090	\$38,060	\$36,140	\$47,650	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	
C+	NEXT	51-7031	Model Makers, Wood	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	5	5	3	4	5	
D	NEXT	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	2,187	2,033	-154	-7.04%	\$20,710	\$27,600	\$24,850	\$31,570	61	164	-15	230	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
D	NEXT	51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Saws	1,626	1,757	131	8.06%	\$22,630	\$28,940	\$27,900	\$33,380	96	154	-7	243	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	3	3	
D	NEXT	51-7099	Woodworkers, All Other	1,021	1,023	2	0.20%	\$20,980	\$25,440	\$23,790	\$28,830	64	62	0	126	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	3	3	
C	NEXT	51-8011	Nuclear Power Reactor Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	4	4	5	5	
C+	NEXT	51-8012	Power Distributors and Dispatchers	145	140	-5	-3.45%	\$70,440	\$86,320	\$92,410	\$105,190	3	10	0	13	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	3	
C	NEXT	51-8013	Power Plant Operators	918	878	-40	-4.36%	\$60,040	\$76,320	\$76,100	\$94,480	19	65	-4	80	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	5	5	
C	NEXT	51-8021	Stationary Engineers and Boiler Operators	424	432	8	1.89%	\$36,380	\$52,160	\$49,640	\$66,370	14	31	1	46	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	4	
C	NEXT	51-8031	Water and Wastewater Treatment Plant and System Operators	2,589	2,437	-152	-5.87%	\$33,350	\$43,400	\$41,840	\$53,050	77	151	-15	213	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	3	
C	NEXT	51-8091	Chemical Plant and System Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	3	
C	NEXT	51-8092	Gas Plant Operators	n/a	n/a	n/a	n/a	\$36,850	\$73,370	\$72,230	\$83,820	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	3	
C	NEXT	51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	166	172	6	3.61%	\$29,450	\$47,820	\$40,080	\$63,530	4	15	1	20	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	4	
C	NEXT	51-8098	Pest and Sulfur Operators, All Other	15	14	-1	-6.67%	\$20,980	\$28,640	\$27,450	\$34,380	4	5	-1	10	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	3	
C	NEXT	51-9011	Chemical Equipment Operators and Tenders	3,039	2,890	-149	-4.90%	\$30,960	\$42,480	\$41,550	\$53,940	75	265	-15	325	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	3	
C	NEXT	51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	1,192	1,208	16	1.34%	\$31,070	\$40,330	\$41,270	\$47,670	30	107	2	139	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	
D	NEXT	51-9021	Caulking, Grouting, and Polishing Machine Setters, Operators, and Tenders	800	788	-12	-1.50%	\$27,200	\$35,260	\$32,210	\$40,110	24	69	-3	80	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
F	NEXT	51-9022	Grinding and Polishing Workers, Hand	1,460	1,207	-253	-17.33%	\$22,790	\$29,960	\$25,520	\$35,730	40	115	-25	130	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	3	
F	NEXT	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	2,537	2,532	-5	-0.20%	\$30,590	\$40,660	\$40,540	\$50,290	77	219	0	295	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
F	NOW	51-9031	Cutters and Trimmers, Hand	n/a	n/a	n/a	n/a	\$22,010	\$32,460	\$25,680	\$34,990	77	219	0	295	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	1,405	1,408	3	0.07%	\$26,760	\$37,860	\$37,720	\$45,900	88	114	0	172	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9041	Etching, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	1,335	1,300	-35	-2.62%	\$28,760	\$38,630	\$37,450	\$44,910	13	45	-18	69	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
D	NEXT	51-9051	Furnace, Kin, Oven, Drier, and Kettle Operators and Tenders	537	629	92	17.13%	\$28,130	\$38,840	\$36,210	\$49,260	24	33	-1	56	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	4	
C	NEXT	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	107	836	-729	-6.76%	\$31,860	\$42,860	\$39,420	\$52,600	368	772	-174	964	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	
F	NEXT	51-9071	Jewelers and Precious Stone and Metal Workers	465	429	-36	-7.74%	\$31,830	\$38,330	\$36,270	\$44,970	28	30	-2	52	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9081	Dental Laboratory Technicians	764	820	56	7.33%	\$29,000	\$40,850	\$39,440	\$49,320	35	62	6	103	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	
C	NEXT	51-9082	Medical Appliance Technicians	335	333	-2	-0.60%	\$28,560	\$36,620	\$34,170	\$44,290	13	25	-12	38	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9083	Ophthalmic Laboratory Technicians	847	911	64	7.56%	\$25,720	\$33,120	\$30,040	\$37,650	39	69	6	114	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9111	Packaging and Filling Machine Operators and Tenders	9,503	9,681	178	1.87%	\$26,690	\$35,660	\$32,660	\$41,630	424	690	18	1,132	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9121	Cauling, Painting, and Spraying Machine Setters, Operators, and Tenders	1,851	1,628	-223	-12.04%	\$27,960	\$37,160	\$34,170	\$43,310	55	145	2	198	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9122	Painters, Transportation Equipment	1,539	1,571	32	2.08%	\$34,320	\$47,500	\$43,070	\$56,710	47	122	3	172	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9123	Painting, Coating, and Decorating Workers	801	710	-91	-11.36%	\$21,290	\$28,620	\$24,120	\$33,670	23	60	-9	74	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9141	Semiconductor Processors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
F	NOW	51-9151	Photographic Process Workers and Processing Machine Operators	602	478	-124	-20.60%	\$27,450	\$34,720	\$31,490	\$43,360	24	59	-12	71	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	
C	NEXT	51-9191	Heatseal Bonding Machine Operators and Tenders	264	274	10	3.79%	\$21,100	\$28,100	\$26,420	\$34,960	13	24	-11	37	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9192	Cleaning, Washing, and Metal Picking Equipment Operators and Tenders	622	669	47	7.56%	\$26,320	\$30,990	\$28,880	\$32,450	41	59	5	105	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9193	Cooling and Freezing Equipment Operators and Tenders	334	355	21	6.29%	\$25,070	\$34,750	\$36,320	\$45,190	13	27	2	42	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9194	Etchers and Engravers	203	208	5	2.46%	\$26,680	\$37,160	\$34,170	\$43,310	14	24	10	38	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
C	NEXT	51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	1,732	1,747	15	0.87%	\$27,650	\$33,680	\$33,240	\$38,840	69	124	2	195	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	3	4	
C	NEXT	51-9196	Paper Goods Machine Setters, Operators, and Tenders	3,499	3,137	-362	-10.35%	\$33,710	\$43,260	\$42,400	\$52,510	103	256	-36	323	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	4	
D	NEXT	51-9197	Tire Builders	219	195	-24	-10.96%	\$27,060	\$36,030	\$32,410	\$44,200	4	17	-2	19	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	
B	NOW	51-9198	Habers-Production Workers	6,173	6,900	727	11.78%	\$23,200	\$30,110	\$29,260	\$36,110	348	616	73	1,037	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3		

# Notes

- 1. n/a = Data suppressed due to confidentiality or lack of statistically significant data.
- 2. Net Employment Change (Column G) is the difference in the number of jobs between the base and projected years.
- 3. Percent employment change (Column H) indicates how fast employment is expected to increase or decrease during the projection period.
- 4. Annual Exit Openings (Column M) are an estimate of the annual number of jobs that will arise from the need to replace workers who have left the workforce entirely.
- 5. Annual Transfer Openings (Column N) are an estimate of the annual number of jobs that will arise from the need to replace workers who have transferred to a different occupation.
- 6. Annual Growth Openings (Column O) are the annual numeric change in employment.
- 7. Annual Total Openings (Column P) are the sum of exit, transfer, and growth openings.

## Occupation Grade

The occupation grades, or "career grades", are based on a combination of total job openings, percent growth, and the average wages of an occupation. Occupations with the letter grade "A+" have the best outlook, while occupations with the letter grade "F" have the worst outlook. Grades in each region are determined by comparing only the occupations within that region.

## STEM

Refers to Science, Technology, Engineering, and Math occupations. "Core" occupations are those that strictly use STEM skills. "Related" occupations are those that use related STEM skills.

## N\_N\_L: "Now, Next, Later"

Now: Typically requires short-term on-the-job training, little to no experience, and/or a high school diploma  
Next: Typically requires non-degree certificate, associate's degree, apprenticeship, some experience, or moderate- to long-term training  
Later: Typically requires a bachelor's degree or higher

## ACT WorkKeys Assessments

ACT WorkKeys® assessments measure foundational skills required for success in the workplace, and help measure the workplace skills that can affect job performance. Scores are provided for three different categories: Applied Math, Workplace Documents, and Graphic Literacy. Each assessment offers varying levels of difficulty. The levels build on each other, incorporating the skills assessed at the previous levels. For example, at Level 5, individuals need the skills from Levels 3,4, and 5. The minimum and median score required for each occupation is shown, if available. For more information about WorkKeys skills, please visit the following website:  
<https://www.act.org/content/act/en/products-and-services/workkeys-for-employers/assessments.html>